

1. A212

## Patent References: Clay / Nanocomposites

<b>Company</b>	Mitsubishi Chem Corp, Japan
<b>Title</b>	An aromatic polycarbonate resin composition
<b>Author:</b>	
<b>Publication Date</b>	1995
<b>Source:</b>	Japanese Unexamined Patent Publication No. 7-2-7134 (207134-1995)
<b>Abstract:</b>	An aromatic polycarbonate resin composition which contains from 0.1 to 10wt% (based on inorganic ash content) of an intercalation compound in which the host is a layered silicate with a cation exchange capacity of at least 30 meq (milliequivalents) per 100g and the guest is an organic onium ion with an alkyl group having at least 12 carbons.
<b>On hand?</b>	
YES	As well as being outstanding in terms of strength and rigidity, there is no great loss in toughness, in particular ductility, and the increase in specific gravity is low, the appearance of the moulded surface and the melt flow properties are outstanding and, moreover, there is an isotropic improvement in the dimensional accuracy.